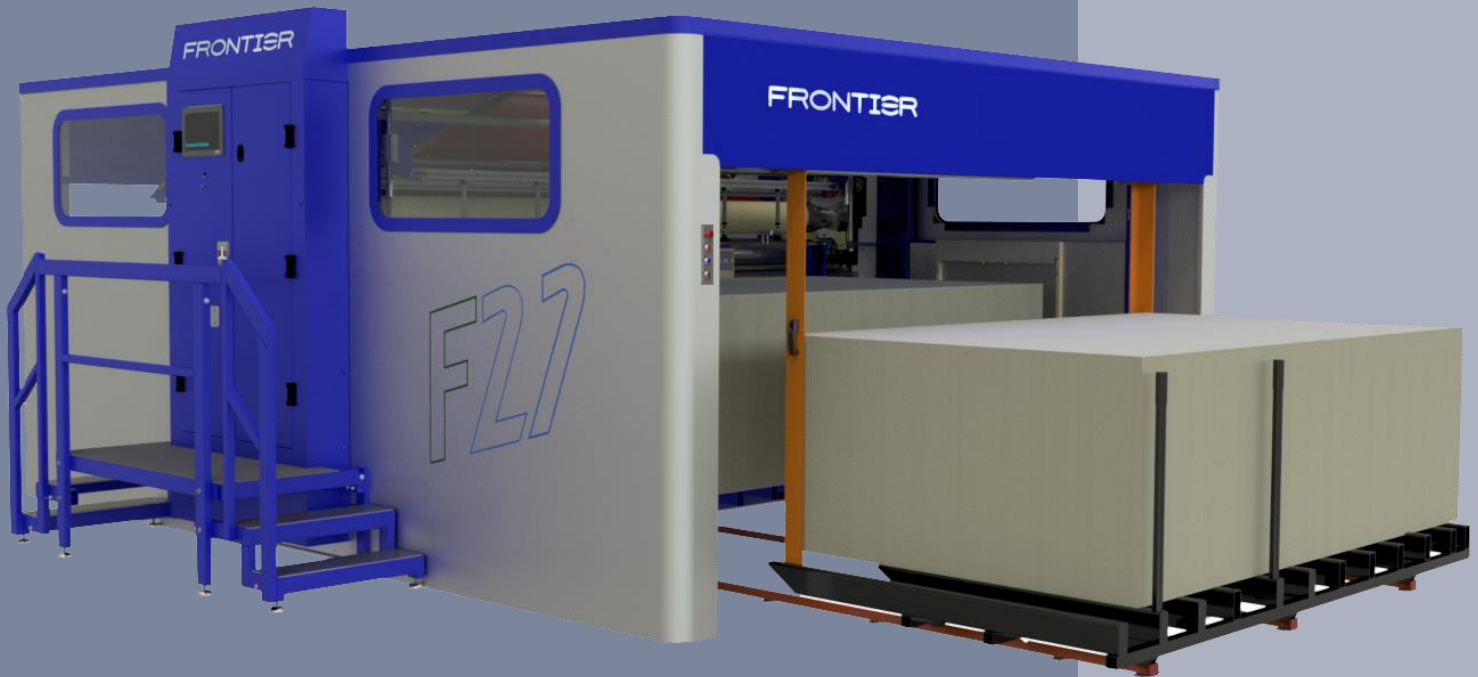




F27. Largest fully automatic flatbed die-cutter for display convertors

F27



U-Pack's Frontier F27 delivers large sheet cutting quality and accuracy. Descending from a long line of U-Pack large format fully automatic flatbed die-cutters.

The F27 with its 3m x 1.8m maximum sheet size is the largest flatbed fully automatic die-cutter available. Single operator with efficiency up to x30 manpower equivalency compared with handfed machines. The F27 cut to print accuracy brings unmatched productivity and quality to the large format display industry.

U-Pack large format reciprocal fully automatic flatbed die-cutters were installed in companies throughout Europe from the mid 1990's and still accurately producing die-cut displays today.



FRONTIER

Main features:

Unskilled operators can be trained in a day
Automated Die-Cut work is fully stripped, stacked and counted for ease of operation
Change from Micro Flute to Double Wall quickly and easily
Cut to print +/- 1mm
No need for separate stripping tools
Waste board is automatically removed without employing additional labour
Die-Form change takes less than 10 minutes

What can a Frontier do..

- Run Micro Flute up to Double Wall corrugated
- Multiple outs FULLY stripped with NO tagging
- Operator safe and friendly machine
- Large sheet size 3m x 1.8m
- Now faster, up to 1400 sheets per hour cycle speed with one operator.
- Ideal for complicated parts fully stripped, no tags
- High quality die-cutting and creasing
- Cuts up to 9mm double wall corrugated
- Runs warped board with ease
- Job change and set up in minutes
- Low tooling cost
- One operator only
- Precise cut to print registration
- Compact design for space saving
- User-friendly controls
- Low maintenance
- No make-ready necessary
- Competitive and affordable

Speed & board size

Cycles/hour 1400
Sheet size (max) 3000 x 1800mm
Board max thickness, micro-flute up to 9mm D/W
Larger sizes are available to order.

Floor area & height

L. 8.1m including pre-loader, W. 5.31m including walkway
Machine height 2760mm machine, additional 1067mm for waste extraction

Weight

23,300kg

Power & services.

Electric power to machine 40amp, waste extraction system 60amp. 380/450v 50/60Hz
Compressed air, 60cfm 7bar (100psi) Clean & dry.
Waste removal 12,000cfm, (20,300 cubic m/h).

S-Drive transmission

U-Pack's latest S-Drive has increased power rating and motion efficiency.
This S-Drive power transmission system is simple, reliable and easy to maintain.
Its unique harmonic drive powers the entire Frontier cutting, feeding and discharge systems.
All functions are positively linked by drive chains, eliminating any collision risk. U-Pack's S-drive is easy to understand and maintain.
S-Drive produces unparalleled, smooth reciprocal cutting motion.



Upgrades and new features 2024

1. New vacuum takeoff head, higher vacuum, quicker response for higher cycle speed.
2. Reduced reciprocal cutting bed weight to 50% for increased cycle speed.
3. Better machine systems monitoring.
4. Simpler operator controls.
5. Improved pneumatics and electrical maintenance accessibility.
6. Modular folding design for shipping container delivery.
7. Quick reassembly at customer site.
8. No expensive large shipping crates, everything packed into one secure 40' container.
9. Forklifted, easy to move, no craning required.
10. A heavier engineered press section for higher precision.
11. Increased sleeve wear.
12. Overall length reduced by 2m due to new integrated pre-loader design.
13. Greater use of sealed for life bearings.
14. Internet connected diagnostics.
15. Larger HMI touch screen.
16. Hard chromed press rollers, non-corroding and easier sleeve slide, change over.
17. New bed suction vacuum suction cups, stronger grip, quicker performance.
18. Fully enclosed with aluminium roof cover reduces noise.
19. Extended warranty to 2 years
20. Last, but not least, unique beautiful, anodized aluminium exterior finish.

Contact our team:

Tel: +44 (0)1989 563684 or +44 (0)7887 508493

Email: info@u-pack.com

www: u-pack.com

Address: Head Office Peterstow, Ross on Wye, Herefordshire, HR96LB, United Kingdom